

The Indiana Source Reduction & Recycling Annual Report



2004



**FY04: July 1, 2003 through June 30, 2004
February 2005**

**Indiana Department of Environmental Management
Office of Pollution Prevention & Technical Assistance**

Introduction

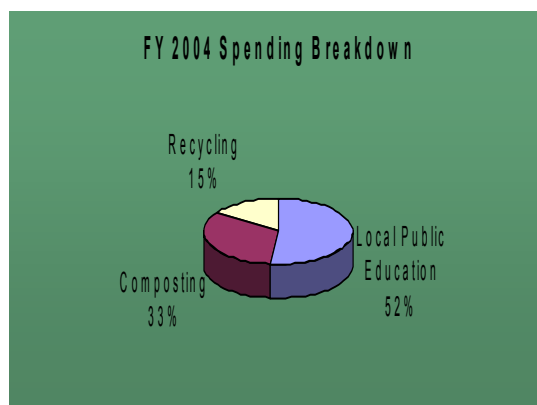
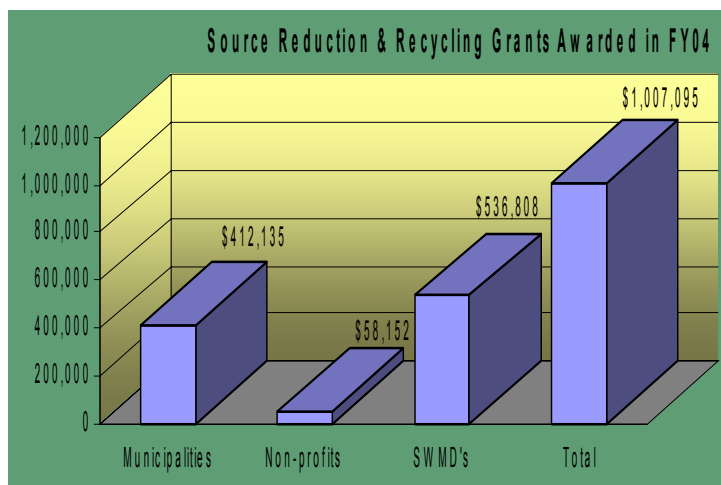
The Indiana Department of Environmental Management's Office of Pollution Prevention and Technical Assistance (OPPTA) Source Reduction and Recycling Branch is charged by statute under IC-13-20-22-2 to provide financial and technical assistance to local communities to provide education and promotion of source reduction and recycling projects. OPPTA works to achieve this legislative goal of 50 percent waste reduction through outreach such as site visits, recognition programs, assistance brochures, fact sheets and training workshops. This report provides a financial summary of the source reduction, reuse, recycling and composting activities, as well as a brief overview of OPPTA's Source Reduction and Recycling Branch accomplishments for fiscal year (FY) 2004.

I. Background:

OPPTA's financial assistance sources

IDEM divided the Indiana Recycling Grant Program into two funding sources. Overall funding comes from the state's Solid Waste Management Fund; it is then divided for 1) source reduction and recycling funding, and 2) outreach funding through Public Education and Promotion grants (PEPs).

OPPTA awarded more than \$1 million in recycling grants in FY 2004 to solid waste management districts (SWMDs), cities and towns, counties, schools, and nonprofit organizations for startup costs, equipment purchases and education programs associated with establishing or expanding source reduction, reuse, recycling, and composting programs. The regional distribution of funding is shown in Attachment A.



Grant funds can also be used to support household hazardous waste (HHW) programs. For information on Indiana's HHW program and a copy of the Indiana Household Hazardous Waste Annual Report, visit www.IN.gov/idem/oppta/hhw/grants/reports/.

Competitive source reduction and recycling grants

Grant funds are allocated for competitive recycling grants that fall under traditional, model, school and regional funding categories. In FY 2004, OPPTA offered two grant rounds for the types of projects described below.

Traditional Projects: This grant category provides support for local implementation of recycling programs. Funding is available for startup expenses of recycling, composting, and source reduction programs as well as infrastructure development. Examples include curbside recycling, drop-off recycling, recycling processing, organics management programs such as yard waste collection and composting, and pay-as-you-throw with recycling. Eligible expenses include the purchase of recycling equipment such as balers and compactors, organics management equipment including chippers and leaf vacuums, and educational materials to help residents participate in programs. Traditional grants are intended to create sustainable projects, with no state funding for ongoing program costs.

Model Projects: This grant category provides funding for innovative solid waste reduction solutions that may serve as "models" for implementation in other parts of the state. Grant funds are available for pilot and experimental project implementation. Examples include glass grinding equipment for use in asphalt, public-private partnerships to address problem waste streams, and innovative educational projects. Eligible expenses include equipment purchases, public education and promotion expenses related to the project, and purchase of innovative recycled-content materials for trial use. Model grants should address significant solid waste management needs that have not been met within an applicant's region.

School Projects: This grant category provides funding for preschool, K-12 and college/university level institutions to startup or expand recycling, source reduction, reuse, buy-recycled and composting programs. Examples include starting a school recycling program, worm composting programs, and source reduction educational projects. Eligible expenses include the purchase of curricula, equipment and educational materials. Grant applicants must demonstrate strong commitment and support at the administrative level, and have a solid network of students, teachers and staff members who will be able to keep the program running after implementation.

Regional Projects: This grant category supports cooperative ventures among multiple local communities. Grant funds are available for team-oriented solid waste reduction efforts that realize the value of economies of scale, peer networking, leveraging of funds, and improved communications. Examples include the purchase of limited-use equipment to be shared by entities, cooperative collection and marketing of materials, and regional or statewide education projects. Eligible expenses include equipment purchases, development of educational materials, and the purchase of advertising space/time. Regional projects must address at least 10 counties or 700,000 citizens.

Submittal deadlines for the FY 2004 grant rounds were May 2003 and September 2003. OPPTA awarded twenty-five recycling grants totaling \$487,302 for projects in the categories described below.

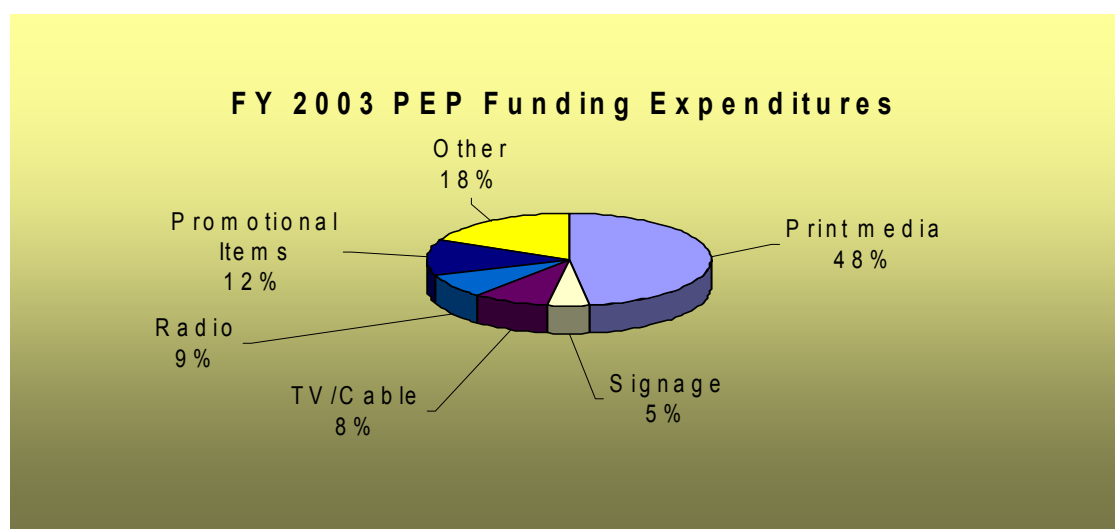
FY 2004 Organic Recycling Grants			
Recipient	County	Description	Amount
Waterloo, Town of	DeKalb	Leaf vacuum	\$13,750
Attica, City of	Fountain	Leaf vacuum	\$14,750
Madison, City of	Jefferson	Compost/recycling loader truck	\$25,000
Hanover, Town of	Jefferson	Chipper and recycling bins	\$13,200
Syracuse, Town of	Kosciusko	Leaf collector, spreader	\$16,713
Hobart, City of	Lake	Leaf collector	\$14,250
Crown Point, City of	Lake	Chipper	\$8,825
Dyer, Town of	Lake	Chipper and leaf collector	\$24,275
East Chicago Sanitary District	Lake	Leaf vacuums (2)	\$27,460
Merrillville, Town of	Lake	Vacuum leaf collection trailer	\$16,000
Hammond, City of	Lake	Greenhouse, compost bins	\$28,000
Munster, Town of	Lake	Chipper	\$8,825
Bedford Street Department	Lawrence	Chipper	\$12,500
Mooresville, Town of	Morgan	Leaf vacuum, trommel screen	\$47,898
Cedar Lake, Town of	Lake	Chipper	\$15,500
Lake Station, City of	Lake	Chipper	\$15,500
Munster, Town of	Lake	Chipper	\$8,200
Lowell, Town of	Lake	Chipper	\$14,250
Rising Sun, City of	Ohio	Box Truck for grass and leaves	\$6,756

FY 2004 Recycling Grants			
Recipient	County	Description	Amount
Seymour, City of	Jackson	Packer truck for paper and Cardboard	\$25,000
Jasper County Highway Garage	Jasper	Twister shovel for recycling asphalt	\$20,790
Sullivan County SWMD	Sullivan	Truck, trailer, education/promotion costs	\$34,693
Dearborn County SWMD	Dearborn	Baler and scales	\$17,015
The Virtual Scavengers Project, Inc.	Marion	Equipment, education/promotion costs, contractor fees	\$28,675
Opportunity Enterprises	Porter	Baler w/conveyor, installation costs, education/promotion costs	\$29,477

Non-competitive public education and promotion grants

Each year IDEM allocates a portion of grant funds specifically to solid waste management districts for education through Public Education and Promotion (PEP) grants. In FY 2004, OPPTA awarded 48 PEP grants totaling \$519,793 to SWMDs to provide public education about the benefits of recycling and to promote their local programs (refer to the FY 2004 Grant Recipients table below for a complete listing).

In Indiana, SWMDs are responsible for implementing promotional activities emphasizing source reduction, reuse, recycling, buy recycled, composting, and HHW activities. Program administrators consistently identify education and promotion as a priority for recycling. PEP grant funds can be specifically used in the following categories: print media, such as newspaper ads, brochures, etc.; signage; TV/cable; radio; educational/promotional items; mercury education; and other outreach such as through conferences and training. The following graph illustrates how SWMDs utilized PEP dollars in FY 2003, the most current data available.



*Not all solid waste management districts received PEP funding in FY 2004. SWMDs with non-allocated cash surpluses that exceeded the limit IDEM established according to the requirements of IC 13-20-22-2.1 were not eligible for grants in this round. Additionally, some eligible solid waste management districts chose not to apply for PEP funds. A per capita funding formula was used to determine the amount of PEP grant funding each SWMD was eligible to receive.

FY 2004 PEP Grant Recipients

Allen County SWMD	\$17,075	Lawrence County SWMD	\$9,499
Bartholomew County SWMD	\$10,163	Marshall County SWMD	\$7,781
Blackford County SWMD.	\$5,695	Martin County SWMD	\$8,570
Brown County SWMD	\$8,000	Miami County SWMD	\$9,241
Clark County SWMD	\$9,334	Monroe County SWMD	\$11,452
Clay-Owen-Vigo SWMD	\$19,303	Northwest IN SWMD	\$11,246
Crawford County SWMD	\$8,588	Perry County SWMD	\$6,856
Dearborn County SWMD	\$9,531	Pike County SWMD	\$7,686

Decatur County SWMD	\$8,300
Dubois County SWMD	\$9,340
Elkhart County SWMD	\$13,148
Floyd County SWMD	\$8,000
Fountain County SWMD	\$5,258
Greene County SWMD	\$9,162
Hamilton County SWMD	\$13,646
Hancock County SWMD	\$9,817
Howard County SWMD	\$10,506
Huntington County SWMD	\$9,294
Jackson County SWMD	\$6,500
Jay County SWMD	\$8,862
Johnson County SWMD	\$11,245
Knox County SWMD	\$4,436
Kosciusko County SWMD	\$6,200
Lake County SWMD	\$16,550

Porter County SWMD	\$12,210
Posey County SWMD	\$6,751
Randolph County SWMD	\$9,007
Shelby County SWMD	\$8,681
Southeastern Indiana SWMD	\$33,173
Spencer County SWMD	\$8,829
St. Joseph County SWMD	\$15,245
Sullivan County SWMD	\$8,867
Three Rivers SWMD	\$17,670
Tipton County SWMD	\$6,547
Vanderburgh County SWMD	\$12,765
W.U.R. SWMD	\$10,371
Wabash County SWMD	\$9,201
West Central Indiana SWMD	\$25,150
Whitley County SWMD	\$7,930
Wildcat Creek SWMD	\$16,635

II. Waste reduction results from OPPTA's grant projects

In FY 2004, 31 grant recipients completed the requirements of their funding agreements. As a result of the state's \$680,173 investment of grant monies to local communities, more than 75 million pounds of materials were diverted from Indiana landfills.

Grant Recipient	Project Description	Grant Amount	Pounds Recycled
Vincennes, City of	glass grinding/recycling	\$40,000	100,000
Purdue University	food recycling	\$23,250	252,000
Edinburgh Community Schools	vermi-composting	\$2,409	180
Monroe Co SWMD	recycling collection vehicle	\$32,250	1,701,820
Lake Co SWMD	school recycling bins	\$20,000	125,000
Lake Co SWMD	two leaf vacuums	\$45,300	236,000
Raymond Park MS	school recycling bins	\$5,000	520
Elkhart, City of	two leaf vacuums	\$44,000	9,626,000
Bloomington	curbside recycling truck	\$50,000	5,520,060
White Co Recycling	recycling trailer	\$2,500	3,108,420
Howard Co SWMD	loader and trailer	\$16,398	1,500,000
Clark Co SWMD	loader and truck	\$21,188	1,464,000
Bloomington, City of	recycling truck	\$50,000	5,628,840
Grant Co Hwy Dept.	baler, glass crusher, bins, and trailer	\$47,460	937,760
North Webster, Town of	leaf vacuum and chipper	\$11,750	230,000
Goodwill	forklift, box truck, pallet jacks, containers	\$50,000	23,252,000
Roann, Town of	chipper	\$10,381	37,500
Elkhart Co Hwy Dept.	brush chipper	\$11,450	500,000
Monroe Co SWMD	cart tipper	\$2,643	4,208,500

New Harmony, Town of	chipper	\$11,250	200,000
Bartholomew Co SWMD	recycling collection containers	\$5,000	1,137,000
Griffith, City of	leaf collector	\$16,000	5,554,000
Washington, City of	baler and trailer	\$8,303	15,600
Wabash Co Hwy Dept.	brush chipper	\$11,500	250,000
Hamilton Co Senior Center	baler and fork truck	\$28,678	1,554,000
Monroe Co SWMD	compactor and boxes	\$9,488	4,208,500
Hartford City, City of	leaf vacuum and truck	\$26,675	2,512,000
St Joseph College	brush chipper and truck	\$33,300	248,000
Attica, City of	leaf collector	\$14,750	425,000
Waterloo, Town of	leaf collector	\$13,750	140,000
Lake Station, Town of	brush chipper	\$15,500	400,000
Total		\$680,173	75,072,700

Recycling Grants Programs Showcase

The following grant programs are examples of successful projects funded through the FY 2004 Recycling Grant Program.

Virtual Scavengers Computer Recycling

An Indianapolis organization that scavenges for unwanted electronics – and helps people get a new lease on life in the process – received a grant to keep harmful materials out of Indiana’s air, land and water.

Virtual Scavengers refurbishes used computers and provides them at low or no cost to those who cannot afford a computer. The organization receives over 18,000 computers per week from 9,500 citizens, for a total of 3.2 million computers per year. Previously, unusable computers were placed in dumpsters, hauled to the local transfer station, and then landfilled. The tipping fee at the local transfer station was \$36.90 per ton. During a 32 week period, 126 tons of computers were recycled instead of landfilled, saving \$4,650 in avoided tipping fees.



Asphalt Reuse and Recycling

The Jasper County Highway Department shows that recycling initiatives for all materials are possible. A program in Jasper County has demonstrated the possibility of establishing a solution for asphalt recycling in rural northwest Indiana.

Jasper County hosts the only hot asphalt plant in the state and creates approximately 1 ton of hot mix debris daily. The grant for the Twister shovel separator enabled Jasper County to grind, separate and process reclaimed asphalt, pavement and other construction debris to be reused as road base, shoulder construction, or calcium chloride to aid in dust control. Approximately 5,500 tons of material are recycled and reused annually as a result of this project.



Waste Tires

An outdoor recreational court area using rubber modified asphalt was approved for the Indianapolis Parks Department. This grant project will provide useful performance testing information, as 700 tires were used in the fresh black asphalt in Haughville Park to replace the old basketball surface.



Other ideas for tires include using them as fuel in cement kilns and boilers or as a replacement for gravel and aggregate in septic systems. Purdue University is investigating the use of rubber from recycled tires as road material.

More conventionally, old tires were shredded and then modified into paving material for a parking lot and running track at Valparaiso University.

III. OPPTA's Technical Assistance

The previous sections have described the monies IDEM's Office of Pollution Prevention and Technical Assistance distributes to fulfill their mission of assisting local governments and other organizations in promoting source reduction and recycling projects through administering the Indiana Recycling Grant Program. However, OPPTA also offers help to all Hoosiers regarding waste reduction. The following section briefly describes the office, assistance available and the many outreach activities staff participate in throughout the state.

Regional Staffing

OPPTA's Source Reduction and Recycling Branch has regional representatives who provide technical assistance and manage the grants program. Grant managers are assigned to strategically cover the state in an effort to provide quick and consistent service to local communities. The regional structure allows grant managers to understand all projects and programs in their regions, so they can assist in developing partnerships and maximizing efficiency. A list of the regional representatives and their contact information is available on OPPTA's Web site at www.IN.gov/idem/oppta/recycling/grants or can be obtained by calling 800-988-7901.

Compliance and Technical Assistance

Source Reduction and Recycling Branch staff members actively provide technical assistance to their grant customers as well as Indiana citizens. During FY 2004, staff performed 128 recycling site visits and responded to numerous recycling and household hazardous waste grant assistance telephone and e-mail inquiries. Additionally, staff responded to 406 inquiries or requests for information on topics such as household hazardous waste, mercury, computer and appliance recycling, and where to recycle household materials. Some calls require extensive research to provide the caller with high-quality assistance.

Outreach

America Recycles Day

November 15 is designated as America Recycles Day (ARD). During FY 2004, more than eight events were held throughout Indiana to remind people to renew their commitment to waste reduction, recycling and buying recycled products. Due to overlap of activities during the fiscal year, two years of ARD activities are outlined below:

America Recycles Day 2003

Indiana incorporated several new events:

- Information about America Recycles Day and the importance of buying recycled was distributed at the first-ever Indianapolis Zoo Conservation Day,
- A Recycled Fashion Show, sponsored by the Indiana Department of Administration (Greening the Government Program), was presented at the 2003 Governor's Conference on the Environment. Models sported everyday fashions made from recycled materials and a number of new outfits custom-made from reused items,
- A new, adult-focused Recycled Art Exhibition, sponsored by Capitol City Metals and hosted by Joe Reuzar's Deli, was well received this year. Abitibi Consolidated Paper Recycling was a general financial sponsor of the state celebration, and
- SWMDs throughout the state held local celebrations with the support of local sponsors.

America Recycles Day 2004

In central Indiana, the ARD planning committee organized the America Recycles Day celebration at various locations in Indianapolis. Activities for the FY 2004 celebration included:

- A recycled landscape turf project conference,
- An ARD Indiana Government recycling programs tunnel display,
- A Conference on the Environment Exhibit and Tunnel Scavenger Hunt, and
- The ARD Indiana Recycled Art Show at the Wheeler Art Center.

Indiana State Fair

Source Reduction and Recycling Branch members staffed the IDEM display in the DNR building during the 2004 State Fair, held August 2003. Additionally, many OPPTA representatives helped with the plastic bottle recycling program at the Indiana State Fair. Volunteers helped set up and tear down the recycling containers and assisted in the collection of plastic bottles. The plastic bottles were sent to a local recycling company for processing.

Recycling Opportunities Database

In order to more efficiently inform the public on statewide recycling opportunities, OPPTA has created and maintains the Recycling Opportunities Database. This searchable database provides fingertip access to information by county on recycling drop-offs and curbside programs. Any resident of Indiana with access to the internet can search their county for solid waste diversion opportunities near their home or workplace. There are 79 curbside recycling programs in the state and more than 571 recycling drop-offs. Ninety-five

percent of Indiana residents have recycling services available (through a curbside or drop-off recycling program) within eight miles of their homes. The Recycling Opportunities Database can be found on IDEM's Web site at www.IN.gov/idem/oppta/recycling/search/.

Recycling Grants Listserv

In order to better serve customers, OPPTA developed the OPPTA Grants Forum listserv. This listserv provides an open discussion forum regarding OPPTA's grant programs and functions as a platform for IDEM to seek advice and comments regarding the grant programs. The listserv provides information on IDEM's grant policies and procedures and also serves as a group discussion platform for concerns regarding source reduction, reuse, recycling and household hazardous waste collection issues in Indiana. To join the listserv email your request to recyclinggrants@dem.state.in.us.

Support of Solid Waste Management Districts

The Source Reduction and Recycling Branch coordinates efforts and collaborates with solid waste management districts on a variety of projects. The branch maintains a Web site and e-mail links and a current SWMD contact list so it can direct the public to those individuals at the local level. Additionally, OPPTA organizes and hosts quarterly focus group meetings. During these meetings staff discuss policy issues and concerns with grant eligible entities (SWMDs, municipal representatives, schools and nonprofit organizations).

To keep current on source reduction and recycling information visit OPPTA's Web site at www.IN.gov/idem/oppta/recycling/.

Illegal Burning Media Campaign

Twenty-five SWMDs throughout the state are participating in a two-year regional grant, which OPPTA awarded in December 2002, for a campaign against illegal burning that encourages proper disposal and recycling. The project includes direct education to local officials regarding the dangers of illegal burning and the importance of enforcement, and a media campaign to educate the public about the health and environmental impacts of illegal burning. Project participants are currently working with their local officials, and local ordinances banning trash burning are either under consideration or have been adopted in a number of municipalities. The public education media campaign kicked off in May 2004; billboards, newspaper ads, radio ads, and TV ads ran throughout the state during the late spring and early summer. More information about illegal burning and the grant project are available from www.stopburningtrash.org.

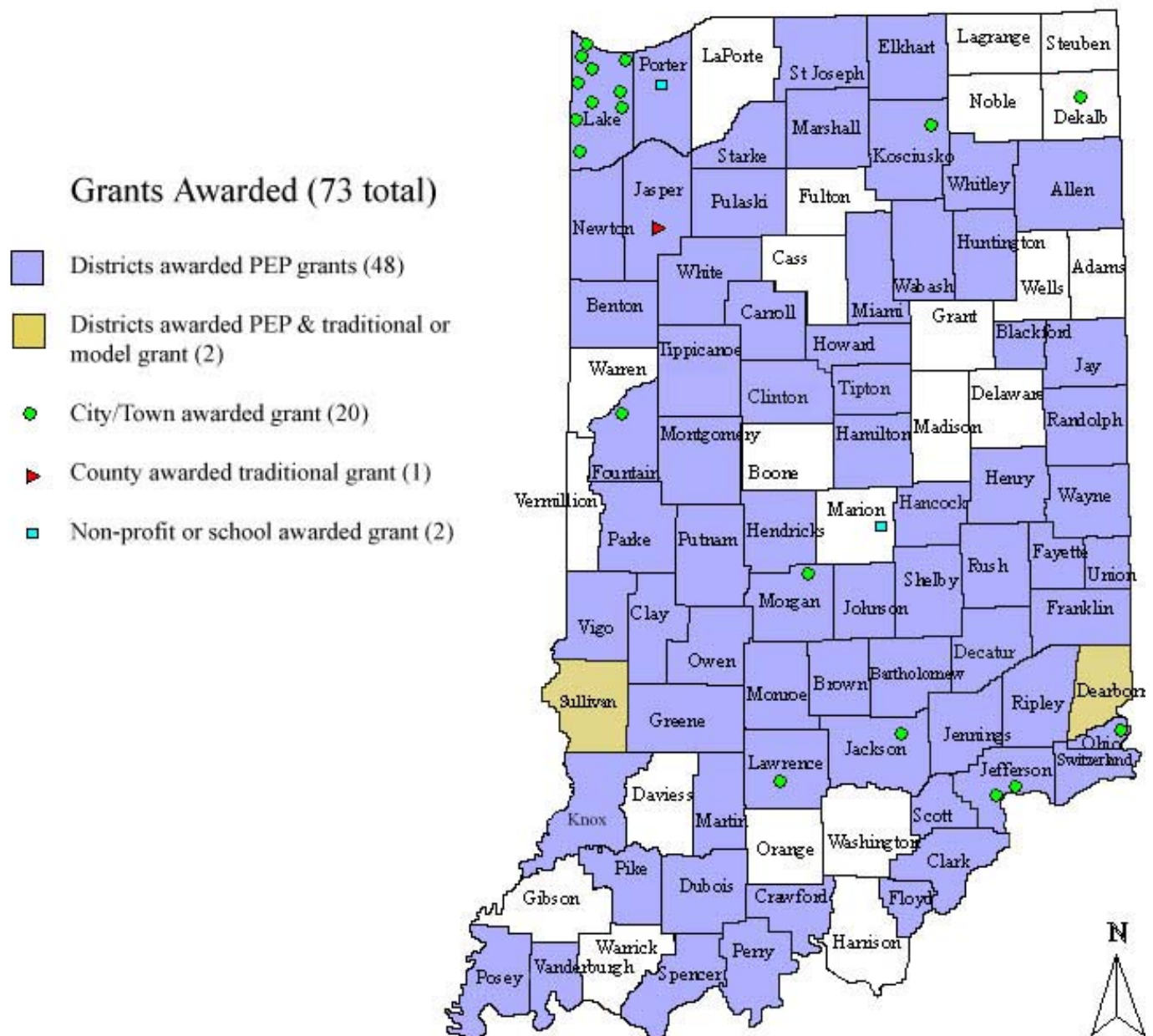
Governor's Awards for Environmental Excellence

IDEM seeks to recognize businesses, governmental units, schools and other organizations that proactively engage in activities that enable them to reduce their environmental impacts. In the past, Governor's Awards were awarded separately for pollution prevention and recycling. In FY 2003, OPPTA combined these two award programs and created six new award categories to establish the Governor's Awards for Environmental Excellence. These categories include energy/renewable resources, greening the government, land use, outreach or education, pollution prevention/source reduction, and recycling/reuse. IDEM announced the recipients of Governor's Awards for Environmental Excellence on

October 30, 2003 at the Eleventh Annual Governor's Conference on the Environment. By publicizing these successful projects, IDEM hopes that others throughout the state will emulate them to improve the quality of the environment.

The award winners in the recycling/reuse category and their projects are described in Attachment B. For a complete listing of the award winners and more information about the awards program, visit IDEM's Web site at www.IN.gov/idem/oppta/govawards/.

Source Reduction & Recycling Grants Awarded in Fiscal Year 2004



2003 GOVERNOR'S AWARDS RECIPIENTS by Category with PROJECT SUMMARIES:

GREENING the GOVERNMENT

Medaryville Correctional Facility, *Medaryville*

The two most prized achievements for the Medaryville Correctional Facility in 2001 and 2002 have been the complete recycling of a storage building and the remediation of a contaminated lagoon. The Medaryville Correctional Facility is located six miles north of Medaryville on the grounds of the Jasper-Pulaski State Fish and Wildlife Area. A lagoon on the property had been contaminated with wastewater runoff. The Medaryville Correctional Facility worked with the Department of Corrections and the Greening the Government program to implement a new water collection program that has remedied the problems in the lagoon and brought back the sandhill cranes, deer, birds and ducks that had not frequented the lagoon in years due to the high nitrogen concentration.

OUTREACH/EDUCATION

Jack and Shirley Lubeznik Center for the Arts/ Solid Waste District of LaPorte County, *Michigan City*

The Faux Fish Factory was a collaborative project of the Solid Waste District of LaPorte County and the Jack and Shirley Lubeznik Center for the Arts, Michigan City, which took place during the months of June and July 2002. The purpose of the program was to teach children about the value of recycling and respect for the environment by creating a large scale outdoor public sculpture and other public artwork constructed entirely of recycled materials. In addition, a professional video was created that documented the project and is used to promote recycling awareness through art projects for children. One of the most important results of the Faux Fish Factory project was the involvement of the community and the opportunity for children from distinctly different backgrounds to interact with each other. The program successfully promoted the idea that recycling and reuse of materials is a socially responsible and desirable activity.

RECYCLING/REUSE

Subaru of Indiana Automotive, *Lafayette*

Subaru of Indiana Automotive, Inc. (SIA), formerly Subaru-Isuzu Automotive, has made great strides in its reuse and recycling efforts since beginning production in 1989. During 2001 and 2002, SIA recycled 87 percent of all waste generated, which amounts to 55,000 tons of waste kept out of landfills. SIA's recycling efforts are accomplished by increased employee awareness and involvement, departmental waste reduction projects, and upper-management involvement with the company's Environmental Management System.

City of Valparaiso

Through their comprehensive recycling program, the city of Valparaiso diverted a total of 11,773 tons of material from the landfill in 2002. Materials recycled included cardboard, newspaper, sorted office waste, aluminum and steel cans, glass, plastic, scrap, brush, electronics, batteries, and concrete. The city saved a total of \$168,218 from the diversion of waste from the landfill, and generated \$174,032 in profits from selling the recycled materials. The city works in cooperation with the business community and other local organizations to increase participation and scope of the program, and is committed to expanding the program as resources permit.

Clark County Household Hazardous Waste Program, *Charlestown*

A unique local partnership has been formed between the Clark County Solid Waste Management District, Clark County Soil and Water Conservation District, city of Charlestown, city of Jeffersonville, town of Clarksville, town of Sellersburg, and the Clark County Commissioners. Through this group effort, a permanent Household Hazardous Waste (HHW) Collection Center has been established in Clark County. This project allowed Clark County to develop a local solution to statewide concerns by targeting non-point source pollution by the diversion of household hazardous waste from the landfill. This program also parallels the IDEM's non-point source pollution initiative and the new municipal separate storm sewer system (MS-4) pollution prevention program. To date, 35 percent of the anticipated annual tonnage of HHW has been reached, 53 percent of the anticipated gallons of used motor oil, and 115 percent of the gallons of used antifreeze anticipated to be collected in 2003 have been reached.